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NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS 4	AUG 28	ADISCTI Reloaded and Enhanced
NEWS 5	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 6	SEP 11	CA/CAplus enhanced with more pre-1907 records
NEWS 7	SEP 21	CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS 8	SEP 25	CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 9	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 10	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 11	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS 12	OCT 19	LOGOFF HOLD duration extended to 120 minutes
NEWS 13	OCT 19	E-mail format enhanced
NEWS 14	OCT 23	Option to turn off MARPAT highlighting enhancements available
NEWS 15	OCT 23	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 16	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS 17	OCT 30	CHEMLIST enhanced with new search and display field

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 11:11:26 ON 31 OCT 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:11:40 ON 31 OCT 2006
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STRUCTURE FILE UPDATES: 30 OCT 2006 HIGHEST RN 911633-89-1
DICTIONARY FILE UPDATES: 30 OCT 2006 HIGHEST RN 911633-89-1

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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http://www.cas.org/ONLINE/UG/regprops.html

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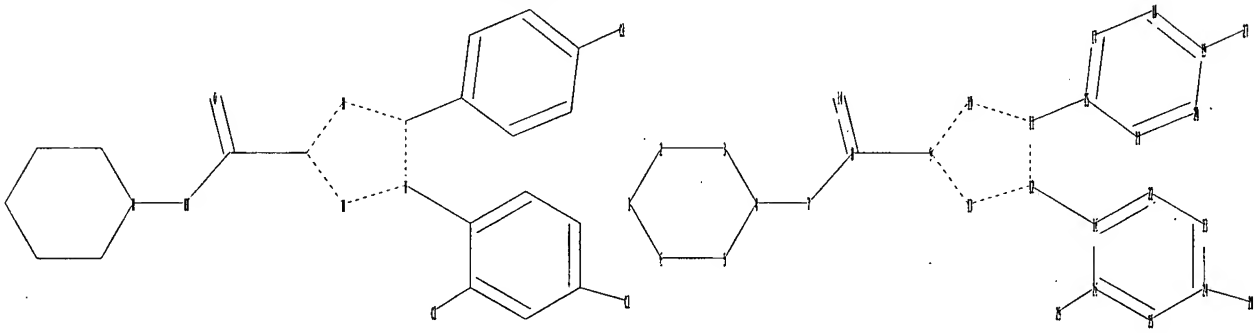
Uploading C:\Program Files\Stnexp\Queries\10662477s.str



chain nodes :
7 8 14 27 28 29
ring nodes :
1 2 3 4 5 6 9 10 11 12 13 15 16 17 18 19 20 21 22 23 24 25 26

chain bonds :
4-7 7-8 8-9 8-14 11-15 12-16 19-27 24-28 26-29
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-13 10-11 11-12 12-13 15-17 15-21 16-22
16-26 17-18 18-19 19-20 20-21 22-23 23-24 24-25 25-26
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 7-8 8-14 9-10 9-13 10-11 11-12 12-13
12-16
exact bonds :
8-9 11-15 19-27 24-28 26-29
normalized bonds :
15-17 15-21 16-22 16-26 17-18 18-19 19-20 20-21 22-23 23-24 24-25 25-26

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS
29:CLASS

L1 STRUCTURE UPLOADED

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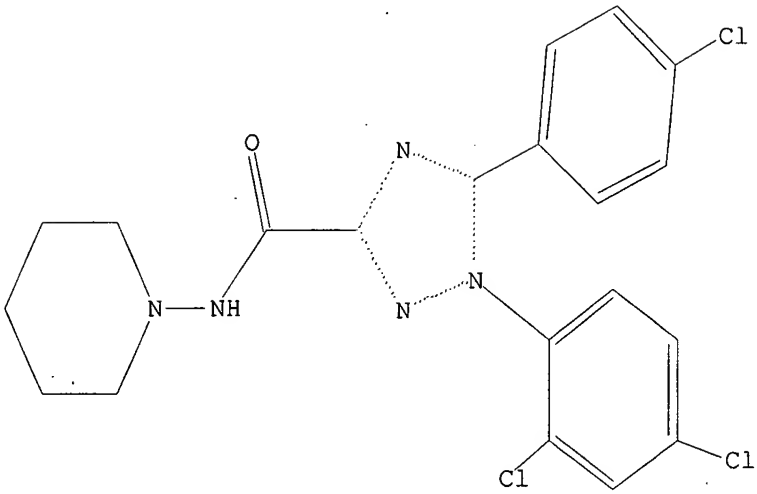
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 11:11:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 11:12:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 19 TO ITERATE

100.0% PROCESSED 19 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

L3 3 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 166.94 167.15

FILE 'CAPLUS' ENTERED AT 11:12:02 ON 31 OCT 2006

FILE COVERS 1907 - 31 Oct 2006 VOL 145 ISS 19
FILE LAST UPDATED: 30 Oct 2006 (20061030/ED)

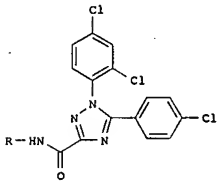
=> s l3
L4 6 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:269924 CAPLUS
DOCUMENT NUMBER: 144:312094
TITLE: Preparation of 1,2,4-triazole-3-carboxamide derivatives as antagonist of cannabinoid receptors
INVENTOR(S): Holenz, Jorg; Frigola Constansa, Jordi; Cuberes Altisen, Maria Rosa; Dordal Zueras, Alberto; Goya Laza, Pilar; Jagerovic, Nadine; Hernandez-Folgado, Laura; Martin Fontelles, Maria Isabel; Alsasua del Valle, Angela
PATENT ASSIGNEE(S): Laboratorios del Dr. Esteve, S. A., Spain
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006030285	A1	20060323	WO 2005-IB2720	20050914
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
ES 2255834	A1	20060701	ES 2004-2232	20040914
PRIORITY APPLN. INFO.:			ES 2004-2232 A	20040914

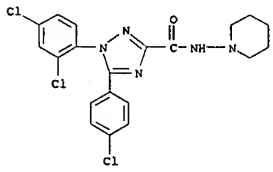
GI



I

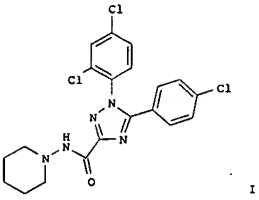
AB Title compds. represented by the formula I [wherein R = piperidino, morpholino, cyclohexyl, 1-adamantyl] were prepared as antagonist of cannabinoid (CB) receptors. For example, II was provided in a multi-step synthesis starting from the reaction of 2,4-dichloroaniline with Et

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
acetoacetate. I (R = 1-adamantyl) showed affinity with CB1 receptor of 498.2 nM (Ki). Thus, I and their pharmaceutical compns. are useful for the treatment of the treatment of diseases in which cannabinoid receptors are involved.
IT 788156-72-9P, 5-(4-Chlorophenyl)-1-(2,4-dichlorophenyl)-N-(piperidin-1-yl)-1H-1,2,4-triazole-3-carboxamide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 1,2,4-triazole-3-carboxamide derivs. as antagonist of cannabinoid receptors)
RN 788156-72-9 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-N-1-piperidinyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

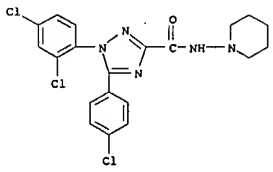
L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:188793 CAPLUS
DOCUMENT NUMBER: 144:412427
TITLE: Structural-activity relationship study on C-4 carbon atom of the CB1 antagonist SR141716. Synthesis and pharmacological evaluation of 1,2,4-triazole-3-carboxamides
AUTHOR(S): Jagerovic, Nadine; Hernandez-Folgado, Laura; Alkorta, Ibon; Goya, Pilar; Martin, Maria Isabel; Dannert, Maria Teresa; Alsasua, Angela; Frigola, Jordi; Cuberes, Maria Rosa; Dordal, Alberto; Holenz, Joerg
CORPORATE SOURCE: Instituto de Quimica Medica, CSIC, Madrid, E-28006, Spain
SOURCE: European Journal of Medicinal Chemistry (2006), 41(1), 114-120
CODEN: EJMCA5; ISSN: 0223-5234
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB A series of 1,2,4-triazole-3-carboxamides has been prepared from alkyl-1,2,4-triazole-3-carboxylates under mild conditions. The ability of these triazoles to displace [3H]-CP55940 from CB1 cannabinoid receptor was measured. However, they showed only poor to moderate binding affinities, indicating that substitution of the C-4 pyrazole atom of the CB1 reference compound SR141716 by a nitrogen atom results in loss of affinity. Further investigations for functionality indicated that the compound I exhibited significant cannabinoid antagonistic properties in the mouse vas deferens functional assay. This leads us to the conclusion that I binds at a different CB1 binding site or at a new cannabinoid receptor subtype.
IT 788156-72-9P, 5-(4-Chlorophenyl)-1-(2,4-dichlorophenyl)-N-(piperidin-1-yl)-1H-1,2,4-triazole-3-carboxamide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(synthesis of triazolecarboxamides as cannabinoid receptor)
RN 788156-72-9 CAPLUS

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 1H-1,2,4-Triazole-3-carboxamide, 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-N-1-piperidinyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:497497 CAPLUS
DOCUMENT NUMBER: 143:43882
TITLE: Preparation of 1H-1,2,4-triazole-3-carboxamide derivatives showing CB1-antagonistic activity and combination treatment involving the compounds
INVENTOR(S): Antel, Jochen; Gregory, Peter-Colin; Waldeck, Harald; Krause, Gunter; Lange, Josephus Hubertus Maria; Kruse, Cornelis Gerrit
PATENT ASSIGNEE(S): Germany
SOURCE: U.S. Pat. Appl. Publ., 27 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2005124660	A1	20050609	US 2004-969840		20041022
PRIORITY APPLN. INFO.:			US 2003-513995P	P	20031027

OTHER SOURCE(S): CASREACT 143:43882; MARPAT 143:43882
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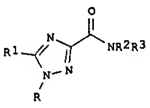
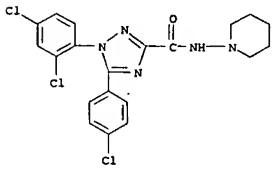


I

AB The present invention relates to a novel medical use of compds. with CB1-receptor activity selected from the group of 4,5-dihydro-1H-pyrazole derivs., 1H-imidazole derivs., thiazole derivs. and/or 1H-1,2,4-triazole-3-carboxamide derivs. or of a prodrug thereof, a tautomer thereof or a salt thereof, in the manufacture of medicaments for the treatment and/or prophylaxis of CB1 receptor related diseases in juvenile patients and/or for the treatment and/or prophylaxis of drug induced obesity in juvenile, as well as in adolescent, patients. Furthermore, the invention pertains to the use of said compds. with CB1-receptor activity in combination with lipase inhibitors. Said compds. are particularly suitable in combination with lipase inhibitors in the manufacture of medicaments for the treatment and/or prophylaxis of obesity in adolescent or in juvenile patients and/or for the treatment and/or prophylaxis of drug induced obesity in juvenile as well as in adolescent patients. Preferred lipase inhibitors are orlistat, panclicins, ATL-962 and/or lipstatin. I was prepared and other similar compds. were tested for human cannabinoid CB1 receptor affinity and in vitro antagonism.
IT 676456-92-1P, 5-(4-Chlorophenyl)-1-(2,4-dichlorophenyl)-N-(piperidin-1-yl)-1H-1,2,4-triazole-3-carboxamide hydrochloride
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(prepn. of 1H-1,2,4-triazole-3-carboxamide derivs. showing CB1-antagonistic activity)
RN 676456-92-1 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-N-1-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:395074 CAPLUS
DOCUMENT NUMBER: 142:447220
TITLE: Preparation of 1H-1,2,4-triazole-3-carboxamides as cannabinoid-CB1 receptor ligands
INVENTOR(S): Antel, Jochen; Gregory, Peter-Colin; Waldeck, Harald; Krause, Guenter; Lange, Josephus Hubertus Maria; Kruse, Chris
PATENT ASSIGNEE(S): Solvay Pharmaceuticals G.m.b.H., Germany
SOURCE: PCT Int. Appl., 63 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

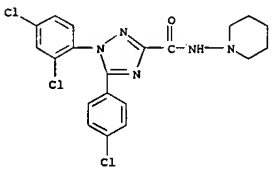
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2005039550	A2	20050506	WO 2004-EP52639		20041022
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
AU 2004283056	A1	20050506	AU 2004-283056		20041022
CA 2543338	AA	20050506	CA 2004-2543338		20041022
PRIORITY APPLN. INFO.:			EP 2003-103961	A	20031024
			EP 2003-103967	A	20031027
			WO 2004-EP52639	W	20041022

OTHER SOURCE(S): MARPAT 142:447220
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The novel use of nitrogen heterocycles I-V [R, R1, R5, R11 = Ph, naphthyl, thienyl, pyridyl, etc.; R2, = H, alkyl, cycloalkylalkyl, Ph, etc.; R3 = alkyl, alkoxy, cycloalkyl, etc.; or NR2R3 = (un)saturated monocyclic or bicyclic heterocyclyl; R7 = (un)branched alkyl] for treatment of cannabinoid-CB1 receptor related diseases, especially in juveniles, is described. A 4-step synthesis of triazolecarboxamide VI.HCl starting from di-Me aminomalonate.HCl 4-chlorobenzoyl chloride, 2,4-dichloroaniline, and 1-aminopiperidine is given. Furthermore, the invention pertains to the use of I-V in combination with lipase inhibitors. Preferred lipase inhibitors are olistat, panclicins, ATL-962, and/or lipstatin.
IT 676456-92-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of triazolecarboxamides as cannabinoid-CB1 receptor ligands for treatment of drug-induced obesity in juveniles and adolescents)

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 676456-92-1 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-N-1-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:790826 CAPLUS
DOCUMENT NUMBER: 142:219202
TITLE: Bioisosteric Replacements of the Pyrazole Moiety of Rimonabant: Synthesis, Biological Properties, and Molecular Modeling Investigations of Thiazoles, Triazoles, and Imidazoles as Potent and Selective CB1 Cannabinoid Receptor Antagonists
AUTHOR(S): Lange, Jos H. M.; van Stuivenberg, Herman H.; Coolen, Hein K. A. C.; Adolfs, Tiny J. P.; McCreary, Andrew C.; Keizer, Hiskias G.; Wals, Henri C.; Veerman, Willem; Borst, Alice J. M.; de Looff, Wouter; Verveer, Peter C.; Kruse, Chris G.
CORPORATE SOURCE: Research Laboratories, Solvay Pharmaceuticals, Weesp, 1381 CP, Neth.
SOURCE: Journal of Medicinal Chemistry (2005), 48(6), 1823-1838
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 142:219202
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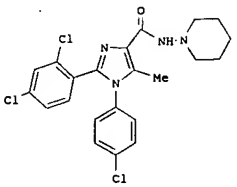
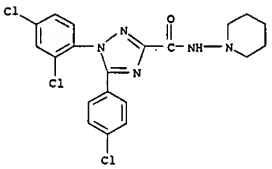


I

AB Series of thiazoles, triazoles, and imidazoles were designed as bioisosteres, based on the 1,5-diarylpyrazole motif that is present in the potent CB1 receptor antagonist rimonabant. A number of target compds. were synthesized and evaluated in cannabinoid (hCB1 and hCB2) receptor assays. The thiazoles, triazoles, and imidazoles elicited in vitro CB1 antagonistic activities and in general exhibited considerable CB1 vs CB2 receptor subtype selectivities, thereby demonstrating to be cannabinoid bioisosteres of the original diarylpyrazole class. Some key representatives in the imidazole series showed potent pharmacol. in vivo activities after oral administration in both a CB agonist-induced hypotension model and a CB agonist-induced hypothermia model. Mol. modeling studies showed a close three-dimensional structural overlap between the imidazole I and rimonabant. A structure-activity relationship (SAR) study revealed a close correlation between the biol. results in the imidazole and pyrazole series.
IT 796875-18-8P

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of imidazole, thiazole, and triazole analogs of rimonabant as potent and selective CB1 cannabinoid receptor antagonists)
RN 796875-18-8 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-N-1-piperidinyl-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

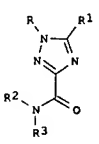
REFERENCE COUNT: 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:272442 CAPLUS
DOCUMENT NUMBER: 140:303680
TITLE: Preparation of 1H-1,2,4-triazole-3-carboxamides as cannabinoid-CB1 receptor ligands
INVENTOR(S): Lange, Josephus H. m.; Kruse, Cornelis G.; McCreary, Andrew C.; Van Stuivenberg, Herman H.
PATENT ASSIGNEE(S): Solvay Pharmaceuticals B.V., Neth.
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004026301	A1	20040401	WO 2003-EP50628	20030917
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1402891	A1	20040331	EP 2002-78966	20020919
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
US 2004106614	A1	20040603	US 2003-662477	20030916
CA 2491394	AA	20040401	CA 2003-2491394	20030917
AU 2003299024	A1	20040408	AU 2003-299024	20030917
BR 2003012020	A	20050322	BR 2003-12020	20030917
EP 1542678	A1	20050622	EP 2003-797318	20030917
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1671377	A	20050921	CN 2003-817352	20030917
JP 2006501275	T2	20060112	JP 2004-537155	20030917
ZA 2005000133	A	20051101	ZA 2005-133	20050106
NO 2005001870	A	20050603	NO 2005-1870	20050418

PRIORITY APPLN. INFO.: EP 2002-78966 A 20020919
WO 2003-EP50628 W 20030917

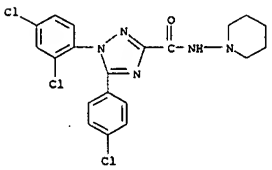
OTHER SOURCE(S): MARPAT 140:303680
GI



I

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB The title compds. [I; R, R1 = Ph, naphthyl, thienyl, pyridyl, etc.; R2 = H, alkyl, cycloalkylalkyl, Ph, etc.; R3 = alkyl, alkoxy, cycloalkyl, etc.; or NR2R3 = (un)saturated monocyclic or bicyclic heterocyclyl] which are potent cannabinoid-CB1 receptor agonists, partial agonists, inverse agonists or antagonists, useful for the treatment of disorders involving cannabinoid neurotransmission, were prepared E.g., a 4-step synthesis of 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-N-(piperidin-1-yl)-1H-1,2,4-triazole-3-carboxamide hydrochloride, starting from di-Me aminomalonate.HCl and 4-chlorobenzoyl chloride, was given. The compds. I were tested for in vitro affinity and in vitro antagonism at human cannabinoid-CB1 receptors. The biol. data were given for representative compds. I. The pharmaceutical composition comprising the compound I is claimed.
IT 676456-92-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 1H-1,2,4-triazole-3-carboxamides as cannabinoid-CB1 receptor ligands)
RN 676456-92-1 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-N-1-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> fil reg
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 31.12 | 198.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION
CA SUBSCRIBER PRICE | -4.50 | -4.50

FILE 'REGISTRY' ENTERED AT 11:12:16 ON 31 OCT 2006

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 OCT 2006 HIGHEST RN 911633-89-1
DICTIONARY FILE UPDATES: 30 OCT 2006 HIGHEST RN 911633-89-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

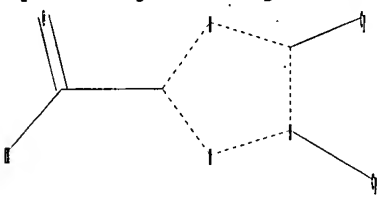
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

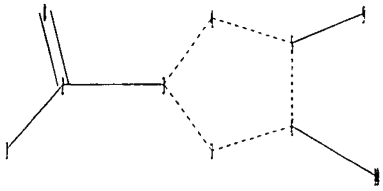
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10662477.str



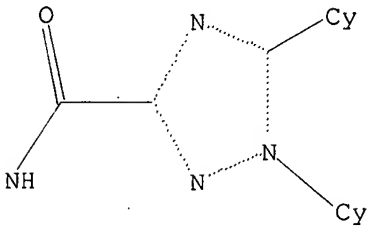


chain nodes :
1 2 8 9 10
ring nodes :
3 4 5 6 7
chain bonds :
1-2 2-3 2-8 5-9 6-10
ring bonds :
3-4 3-7 4-5 5-6 6-7
exact/norm bonds :
1-2 2-8 3-4 3-7 4-5 5-6 5-9 6-7 6-10
exact bonds :
2-3

Match level :
1:CLASS 2:CLASS 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:CLASS 9:Atom 10:Atom

L5 STRUCTURE UPLOADED

=> d
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l5
SAMPLE SEARCH INITIATED 11:14:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 412 TO ITERATE

100.0% PROCESSED 412 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 7023 TO 9457
PROJECTED ANSWERS: 624 TO 1496

L6 50 SEA SSS SAM L5

=> s l5 full
FULL SEARCH INITIATED 11:14:14 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 8205 TO ITERATE

100.0% PROCESSED 8205 ITERATIONS 1091 ANSWERS
SEARCH TIME: 00.00.01

L7 1091 SEA SSS FUL L5

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	167.82	366.09

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.50

FILE 'CAPLUS' ENTERED AT 11:14:17 ON 31 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 31 Oct 2006 VOL 145 ISS 19
FILE LAST UPDATED: 30 Oct 2006 (20061030/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l7
L8 135 L7

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.46	366.55

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.50

FILE 'REGISTRY' ENTERED AT 11:14:21 ON 31 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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STRUCTURE FILE UPDATES: 30 OCT 2006 HIGHEST RN 911633-89-1
DICTIONARY FILE UPDATES: 30 OCT 2006 HIGHEST RN 911633-89-1

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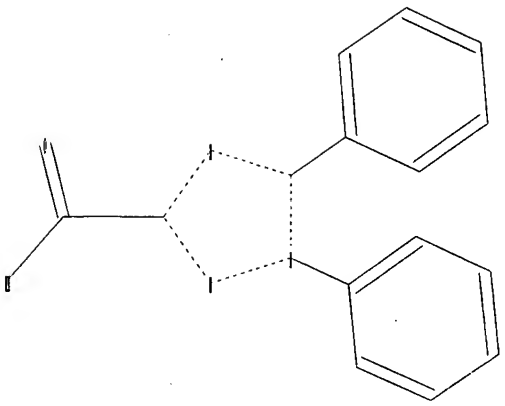
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

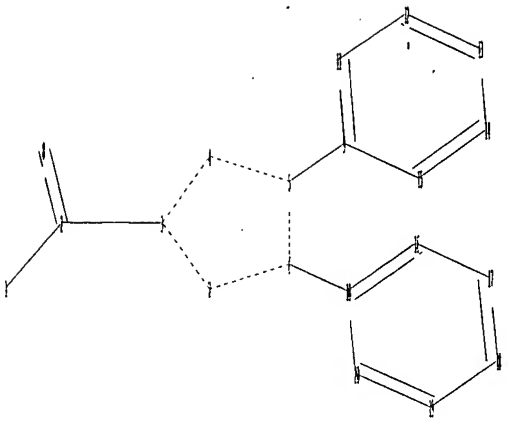
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10662477b.str



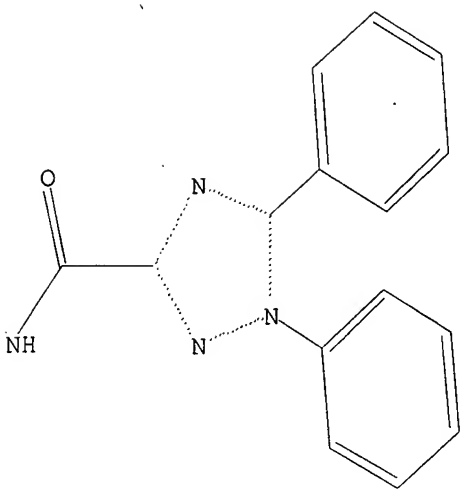


chain nodes :
1 2 8
ring nodes :
3 4 5 6 7 9 10 11 12 13 14 15 16 17 18 19 20
chain bonds :
1-2 2-3 2-8 5-9 6-10
ring bonds :
3-4 3-7 4-5 5-6 6-7 9-11 9-15 10-16 10-20 11-12 12-13 13-14 14-15
16-17 17-18 18-19 19-20
exact/norm bonds :
1-2 2-8 3-4 3-7 4-5 5-6 6-7 6-10
exact bonds :
2-3 5-9
normalized bonds :
9-11 9-15 10-16 10-20 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20

Match level :
1:CLASS 2:CLASS 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:CLASS 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom

L9 STRUCTURE UPLOADED

=> d
L9 HAS NO ANSWERS
L9 STR



Structure attributes must be viewed using STN Express query preparation.

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=> s l9
SAMPLE SEARCH INITIATED 11:15:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       83 TO ITERATE

100.0% PROCESSED       83 ITERATIONS                                50 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          1114 TO     2206
PROJECTED ANSWERS:              576 TO     1424

L10          50 SEA SSS SAM L9

=> s l9 full
FULL SEARCH INITIATED 11:15:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     1859 TO ITERATE

100.0% PROCESSED     1859 ITERATIONS                            1009 ANSWERS
SEARCH TIME: 00.00.01

L11        1009 SEA SSS FUL L9

=> fil caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   167.38     533.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -4.50

FILE 'CAPLUS' ENTERED AT 11:15:42 ON 31 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)
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FILE COVERS 1907 - 31 Oct 2006 VOL 145 ISS 19
FILE LAST UPDATED: 30 Oct 2006 (20061030/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l11
L12 127 L11

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.46	534.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.50

FILE 'REGISTRY' ENTERED AT 11:15:48 ON 31 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 OCT 2006 HIGHEST RN 911633-89-1
DICTIONARY FILE UPDATES: 30 OCT 2006 HIGHEST RN 911633-89-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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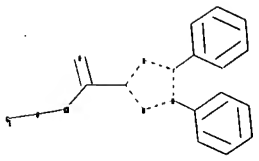
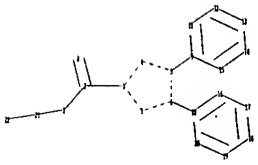




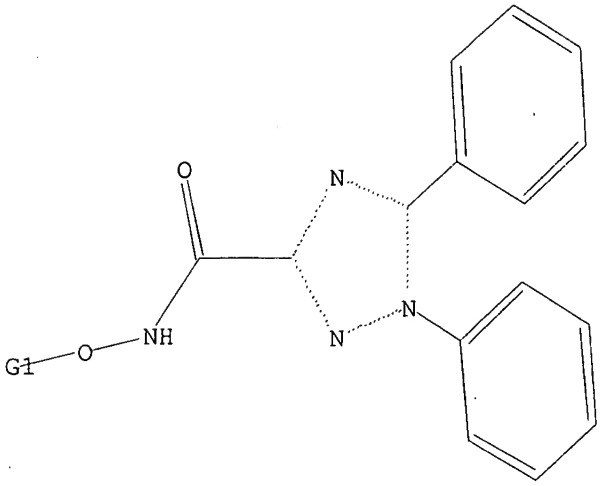
chain nodes :
1 2 8 21 22
ring nodes :
3 4 5 6 7 9 10 11 12 13 14 15 16 17 18 19 20
chain bonds :
1-2 1-21 2-3 2-8 5-9 6-10 21-22
ring bonds :
3-4 3-7 4-5 5-6 6-7 9-11 9-15 10-16 10-20 11-12 12-13 13-14 14-15
16-17 17-18 18-19 19-20
exact/norm bonds :
1-2 2-8 3-4 3-7 4-5 5-6 6-7 6-10 21-22
exact bonds :
1-21 2-3 5-9
normalized bonds :
9-11 9-15 10-16 10-20 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20

G1:H,Ak

Match level :
1:CLASS 2:CLASS 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:CLASS 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:CLASS 22:CLASS

L13 STRUCTURE UPLOADED

=> d
L13 HAS NO ANSWERS
L13 STR



G1 H,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l13
SAMPLE SEARCH INITIATED 11:17:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 4 TO ITERATE

100.0% PROCESSED 4 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 4 TO 200
PROJECTED ANSWERS: 1 TO 80

L14 1 SEA SSS SAM L13

=> s l13 full
FULL SEARCH INITIATED 11:17:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 42 TO ITERATE

100.0% PROCESSED 42 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.01

L15 6 SEA SSS FUL L13

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 167.82 702.21

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.50

FILE 'CAPLUS' ENTERED AT 11:17:29 ON 31 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 31 Oct 2006 VOL 145 ISS 19
FILE LAST UPDATED: 30 Oct 2006 (20061030/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html

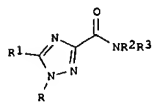
=> s l15
L16 5 L15

=> d ibib abs hitstr tot

L16 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:497497 CAPLUS
DOCUMENT NUMBER: 143:43882
TITLE: Preparation of 1H-1,2,4-triazole-3-carboxamide derivatives showing CB1-antagonistic activity and combination treatment involving the compounds
INVENTOR(S): Antel, Jochen; Gregory, Peter-Colin; Waldeck, Harald; Krause, Gunter; Lange, Josephus Hubertus Maria; Kruse, Cornelis Gerrit
PATENT ASSIGNEE(S): Germany
SOURCE: U.S. Pat. Appl. Publ., 27 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005124660	A1	20050609	US 2004-969840	20041022
PRIORITY APPLN. INFO.:			US 2003-513995P	P 20031027

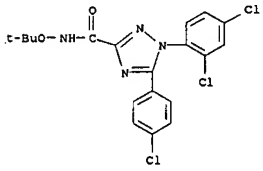
OTHER SOURCE(S): CASREACT 143:43882; MARPAT 143:43882
GI



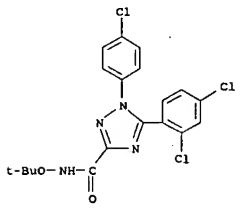
I

AB The present invention relates to a novel medical use of compds. with CB1-receptor activity selected from the group of 4,5-dihydro-1H-pyrazole derivs., 1H-imidazole derivs., thiazole derivs. and/or 1H-1,2,4-triazole-3-carboxamide derivs. or of a prodrug thereof, a tautomer thereof or a salt thereof, in the manufacture of medicaments for the treatment and/or prophylaxis of CB1 receptor related diseases in juvenile patients and/or for the treatment and/or prophylaxis of drug induced obesity in juvenile, as well as in adolescent, patients. Furthermore, the invention pertains to the use of said compds. with CB1-receptor activity in combination with lipase inhibitors. Said compds. are particularly suitable in combination with lipase inhibitors in the manufacture of medicaments for the treatment and/or prophylaxis of obesity in adolescent or in juvenile patients and/or for the treatment and/or prophylaxis of drug induced obesity in juvenile as well as in adolescent patients. Preferred lipase inhibitors are orlistat, panclicins, ATL-962 and/or lipstatin. I was prepared and other similar compds. were tested for human cannabinoid CB1 receptor affinity and in vitro antagonism.
IT 676456-98-7P 676457-07-1P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 1H-1,2,4-triazole-3-carboxamide derivs. showing

L16 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CB1-antagonistic activity)
RN 676456-98-7 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-N-(1,1-dimethylethoxy)- (9CI) (CA INDEX NAME)



RN 676457-07-1 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 1-(4-chlorophenyl)-5-(2,4-dichlorophenyl)-N-(1,1-dimethylethoxy)- (9CI) (CA INDEX NAME)



L16 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:395074 CAPLUS
DOCUMENT NUMBER: 142:447220
TITLE: Preparation of 1H-1,2,4-triazole-3-carboxamides as cannabinoid-CB1 receptor ligands
INVENTOR(S): Antel, Jochen; Gregory, Peter-Colin; Waldeck, Harald; Krause, Guenter; Lange, Josephus Hubertus Maria; Kruse, Chris
PATENT ASSIGNEE(S): Solvay Pharmaceuticals G.m.b.H., Germany
SOURCE: PCT Int. Appl., 63 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

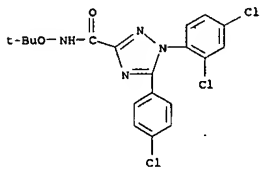
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005039550	A2	20050506	WO 2004-EP52639	20041022
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004283056	A1	20050506	AU 2004-283056	20041022
CA 2543338	AA	20050506	CA 2004-2543338	20041022
PRIORITY APPLN. INFO.:			EP 2003-103961	A 20031024
			EP 2003-103967	A 20031027
			WO 2004-EP52639	W 20041022

OTHER SOURCE(S): MARPAT 142:447220
GI

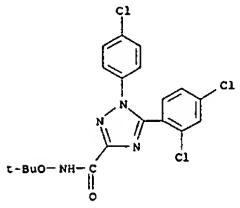
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The novel use of nitrogen heterocycles I-V [R, R1, R5, R11 = Ph, naphthyl, thienyl, pyridyl, etc.; R2, = H, alkyl, cycloalkylalkyl, Ph, etc.; R3 = alkyl, alkoxy, cycloalkyl, etc.; or NR2R3 = (un)saturated monocyclic or bicyclic heterocyclyl; R7 = (un)branched alkyl] for treatment of cannabinoid-CB1 receptor related diseases, especially in juveniles, is described. A 4-step synthesis of triazolecarboxamide VI.HCl starting from di-Me aminomalonate.HCl 4-chlorobenzoyl chloride, 2,4-dichloroaniline, and 1-aminopiperidine is given. Furthermore, the invention pertains to the use of I-V in combination with lipase inhibitors. Preferred lipase inhibitors are olistat, panclicins, ATL-962, and/or lipstatin.
IT 676456-98-7P 676457-07-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU

L16 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of triazolecarboxamides as cannabinoid-CB1 receptor ligands for treatment of drug-induced obesity in juveniles and adolescents)
RN 676456-98-7 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-N-(1,1-dimethylethoxy)- (9CI) (CA INDEX NAME)



RN 676457-07-1 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 1-(4-chlorophenyl)-5-(2,4-dichlorophenyl)-N-(1,1-dimethylethoxy)- (9CI) (CA INDEX NAME)



L16 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:272442 CAPLUS
DOCUMENT NUMBER: 140:303680
TITLE: Preparation of 1H-1,2,4-triazole-3-carboxamides as cannabinoid-CB1 receptor ligands
INVENTOR(S): Lange, Josephus H. m.; Kruse, Cornelis G.; McCreary, Andrew C.; Van Stuivenberg, Herman H.
PATENT ASSIGNEE(S): Solvay Pharmaceuticals B.V., Neth.
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004026301	A1	20040401	WO 2003-EP50628	20030917
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1402891	A1	20040331	EP 2002-78966	20020919
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
US 2004106614	A1	20040603	US 2003-662477	20030916
CA 2491394	AA	20040401	CA 2003-2491394	20030917
AU 2003299024	A1	20040408	AU 2003-299024	20030917
BR 2003012020	A	20050322	BR 2003-12020	20030917
EP 1542678	A1	20050622	EP 2003-797318	20030917
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1671377	A	20050921	CN 2003-817352	20030917
JP 2006501275	T2	20060112	JP 2004-537155	20030917
ZA 2005000133	A	20051101	ZA 2005-133	20050106
NO 2005001870	A	20050603	NO 2005-1870	20050418

PRIORITY APPLN. INFO.: EP 2002-78966 A 20020919
WO 2003-EP50628 W 20030917

OTHER SOURCE(S): MARPAT 140:303680
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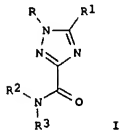
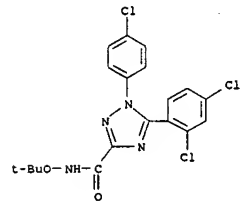


I

L16 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



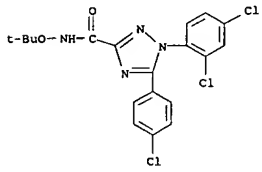
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB The title compds. [I; R, R1 = Ph, naphthyl, thienyl, pyridyl, etc.; R2 = H, alkyl, cycloalkylalkyl, Ph, etc.; R3 = alkyl, alkoxy, cycloalkyl, etc.; or NR2R3 = (un)saturated monocyclic or bicyclic heterocyclyl] which are potent cannabinoid-CB1 receptor agonists, partial agonists, inverse agonists or antagonists, useful for the treatment of disorders involving cannabinoid neurotransmission, were prepared E.g., a 4-step synthesis of 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-N-(piperidin-1-yl)-1H-1,2,4-triazole-3-carboxamide hydrochloride, starting from di-Me aminomalonate.HCl and 4-chlorobenzoyl chloride, was given. The compds. I were tested for in vitro affinity and in vitro antagonism at human cannabinoid-CB1 receptors. The biol. data were given for representative compds. I. The pharmaceutical composition comprising the compound I is claimed.

IT 676456-98-7P 676457-07-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 1H-1,2,4-triazole-3-carboxamides as cannabinoid-CB1 receptor ligands)

RN 676456-98-7 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-N-(1,1-dimethylethoxy)- (9CI) (CA INDEX NAME)



RN 676457-07-1 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 1-(4-chlorophenyl)-5-(2,4-dichlorophenyl)-N-(1,1-dimethylethoxy)- (9CI) (CA INDEX NAME)

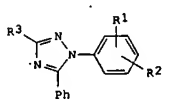
L16 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1984:204999 CAPLUS
DOCUMENT NUMBER: 100:204999
TITLE: Herbicidal compositions containing 1,2,4-triazole derivatives
INVENTOR(S): Aoki, Katsumichi; Shida, Takafumi; Watanabe, Takeo; Satake, Keigo; Shinkawa, Hiroyasu; Yamazaki, Shiro
PATENT ASSIGNEE(S): Kureha Chemical Industry Co., Ltd. , Japan
SOURCE: Braz. Pedido PI, 69 pp.
CODEN: BPXXDX
DOCUMENT TYPE: Patent
LANGUAGE: Portuguese
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BR 8302385	A	19840110	BR 1983-2385	19830506
JP 58194866	A2	19831112	JP 1982-77010	19820507
JP 03060823	B4	19910917		
JP 59098004	A2	19840606	JP 1982-206486	19821125
JP 03060824	B4	19910917		
FR 2526271	A1	19831110	FR 1983-7622	19830506
FR 2526271	B1	19880826		
GB 2120665	A1	19831207	GB 1983-12422	19830506
GB 2120665	B2	19851218		
US 4795484	A	19890103	US 1986-858531	19860424

PRIORITY APPLN. INFO.: JP 1982-77010 A 19820507
JP 1982-206486 A 19821125
US 1983-487742 A1 19830422

OTHER SOURCE(S): CASREACT 100:204999
GI

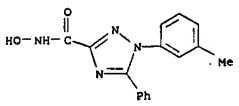


I

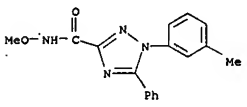
AB The triazoles I (R1 = H, halo, Me, or Et; R2 = H, halo, Me, Et, C1-3 haloalkyl, MeO, CN, etc.; R3 = thioamide or R4R5NCO; R4 = H, Me, Et, or C1-2 hydroxyalkyl; R5 = H, Me, Et, Ac, haloacetyl, etc.) are herbicides. Thus, in small-plot expts., I (R1 = R2 = H, R3 = CONHMe) [88839-16-1], applied pre-emergence, at 50 g/are, totally controlled Cordamine flexuosa, Portulaca oleracea, and Stellaria media, with no phytotoxicity to rice, wheat, and corn. The synthesis of I is given.

IT 88838-66-8P 88838-68-0P 88838-73-7P
88838-74-8P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and herbicidal activity of)

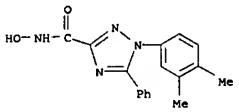
L16 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 88838-66-8 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, N-hydroxy-1-(3-methylphenyl)-5-phenyl- (9CI) (CA INDEX NAME)



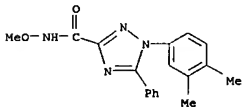
RN 88838-68-0 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, N-methoxy-1-(3-methylphenyl)-5-phenyl- (9CI) (CA INDEX NAME)



RN 88838-73-7 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 1-(3,4-dimethylphenyl)-N-hydroxy-5-phenyl- (9CI) (CA INDEX NAME)



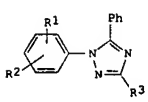
RN 88838-74-8 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 1-(3,4-dimethylphenyl)-N-methoxy-5-phenyl- (9CI) (CA INDEX NAME)



L16 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1984:81238 CAPLUS
DOCUMENT NUMBER: 100:81238
TITLE: Herbicidal compositions containing a 1,2,4-triazole derivatives
INVENTOR(S): Aoki, Katsumichi; Shida, Takafumi; Watanabe, Takeo; Satake, Keigo; Shinkawa, Hiroyasu; Yamazaki, Shiro
PATENT ASSIGNEE(S): Kureha Chemical Industry Co., Ltd. , Japan
SOURCE: Ger. Offen., 55 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3316300	A1	19831124	DE 1983-3316300	19830504
DE 3316300	C2	19891005		
JP 58194866	A2	19831112	JP 1982-77010	19820507
JP 03060823	B4	19910917		
JP 59098004	A2	19840606	JP 1982-206486	19821125
JP 03060824	B4	19910917		
FR 2526271	A1	19831110	FR 1983-7622	19830506
FR 2526271	B1	19880826		
GB 2120665	A1	19831207	GB 1983-12422	19830506
GB 2120665	B2	19851218		
US 4795484	A	19890103	US 1986-858531	19860424
PRIORITY APPLN. INFO.:			JP 1982-77010 A	19820507
			JP 1982-206486 A	19821125
			US 1983-487742 A1	19830422

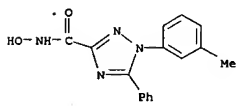
OTHER SOURCE(S): CASREACT 100:81238; MARPAT 100:81238
GI



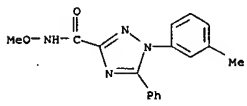
AB Triazole derivs. I (R1 = H, halogen, or C1-2 alkyl; R2 = R1 or C1-3 haloalkyl, methoxy, cyano, methoxymethyl, methylthio, methoxycarbonyl, or isopropoxycarbonyl; R3 = thioamide or C(:O)N(R4)R5; R4 = H, Me, Et, or C1-2 hydroxyalkyl; R5 = H, C1-2 alkyl, haloalkyl, hydroxyalkyl, cyanomethyl, acetyl, methoxy, etc.) are herbicides. Thus, foliar spraying of I (R1 = R2 = H, R3 = CONHMe) [88839-16-1] at 50 g/100 m2 eradicated Cardamine flexuosa, Portulaca oleracea, and Stellaria media without injury to rice, wheat, or corn in the greenhouse. Synthesis is given.
IT 88838-66-8P 88838-68-0P 88838-73-7P
88838-74-8P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic

L16 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

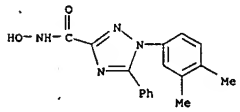
L16 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. and herbicidal activity of)
RN 88838-66-8 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, N-hydroxy-1-(3-methylphenyl)-5-phenyl- (9CI) (CA INDEX NAME)



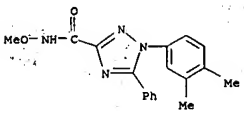
RN 88838-68-0 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, N-methoxy-1-(3-methylphenyl)-5-phenyl- (9CI) (CA INDEX NAME)



RN 88838-73-7 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 1-(3,4-dimethylphenyl)-N-hydroxy-5-phenyl- (9CI) (CA INDEX NAME)



RN 88838-74-8 CAPLUS
CN 1H-1,2,4-Triazole-3-carboxamide, 1-(3,4-dimethylphenyl)-N-methoxy-5-phenyl- (9CI) (CA INDEX NAME)


MeO
NH
O
N
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N
Ph
Me
Me

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	26.01	728.22

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.75	-8.25

STN INTERNATIONAL LOGOFF AT 11:18:18 ON 31 OCT 2006